

SYSTEMS AND METHODS FOR OVERCOMING STICTION

ABSTRACT OF THE DISCLOSURE

A number of methods and systems for overcoming stiction are provided. The systems
5 include electro-mechanical systems capable of exerting a variety of forces upon areas prone
to stiction. The systems can be MEMS arrays or other types of devices where stiction related
forces occur. The methods include a variety of ways of causing movement in areas prone to
stiction forces. Such movement can be vibrational in nature and is sufficient to overcome
stiction, allowing a trapped element to be moved to a desired location.

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